AMENDMENTS TO THE CLAIMS

1-10. (cancelled)

- 11. (previously presented) A hydrofluorination catalyst based on chromium oxide which contains ammonium salt and which exhibits a content of ammonium salts of less than or equal to 0.2% by weight, expressed in the form of NH4+, with respect to the content of chromium in the catalyst, expressed in the form of Cr2O3.
- 12. (previously presented) The catalyst according to claim 11, in which the content of ammonium salts is less than or equal to 0.1% by weight of ammonium salts.
- 13. (previously presented) The catalyst according to claim 11, additionally comprising other metals or salts of other metals and their mixtures as cocatalyst.
- 14. (Currently amended) The process A process for the hydrofluorination of a halogenated hydrocarbon which comprises reacting a halogenated hydrocarbon with hydrogen fluoride in the presence of the catalyst according to claim 11.
- 15. (previously presented) The process according to claim 14, wherein the halogenated hydrocarbon is an aliphatic alkane corresponding to the general formula CwHxXyFz (I), wherein

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w is an integer between 1 and 6,

x is an integer between 0 and (2w + 1),

y is an integer between 1 and (2w + 1),

z is an integer between 0 and (2w + 1),
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the sum (x + y + z) has the value (2w + 2) and X represents chlorine or bromine.

16. (previously presented) The process according to claim 14, wherein the halogenated hydrocarbon is an aliphatic alkene corresponding to the general formula CwHxXyFz (I), wherein

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w is an integer between 1 and 6,

x is an integer between 0 and (2w - 1),

y is an integer between 1 and (2w - 1),

z is an integer between 0 and (2w - 1),

the sum (x + y + z) has the value 2w and

X represents chlorine or bromine.
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- 17. (previously presented) The process according to claim 14, wherein the reaction of the halogenated hydrocarbon with the hydrogen fluoride takes place in a gas phase.
- 18. cancelled
- 19. (previously presented) The process according to claim 14, wherein difluoromethane is produced by reacting hydrogen fluoride and dichloromethane.
- 20. (previously presented) The process according to claim 14, wherein 1,1,1,2-tetrafluoroethane is produced by reacting hydrogen fluoride and a compound chosen from trichloroethylene or 2-chloro-1,1,1-trifluoroethane.

21. (previously presented) The process according to claim 14, wherein pentafluoroethane is produced by reacting hydrogen fluoride and a compound selected from the group consisting of perchloroethylene, fluorotetrachlorethane, difluorotrichloroethane, trifluorodichloroethane and chlorotetrafluoroethane.

- 22. (previously presented) The catalyst as claimed in claim 11, which consists_essentially of bulk chromium oxide which contains ammonium salt and which exhibits a content of ammonium salts of less than or equal to 0.2% by weight, expressed in the form of NH4+, with respect to the content of chromium in the catalyst, expressed in the form of Cr2O3.
- 23. (previously presented) The catalyst according to claim 22, in which the content of ammonium salts is less than or equal to 0.1% by weight of ammonium salts.
- 24. (previously presented) A process for the hydrofluorination of a halogenated hydrocarbon which comprises reacting a halogenated hydrocarbon with hydrogen fluoride in the presence of the catalyst according to claim 22.
- 25. (previously presented) The process according to claim 24, wherein the halogenated hydrocarbon is an aliphatic alkane corresponding to the general formula CwHxXyFz (I), wherein

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w is an integer between 1 and 6,

x is an integer between 0 and (2w + 1),

y is an integer between 1 and (2w + 1),
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z is an integer between 0 and (2w + 1),

the sum (x + y + z) has the value (2w + 2) and X represents chlorine or bromine.

27. (previously presented) The process according to claim 24, wherein the halogenated hydrocarbon is an aliphatic alkene corresponding to the general formula CwHxXyFz (I), wherein

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w is an integer between 1 and 6,

x is an integer between 0 and (2w - 1),

y is an integer between 1 and (2w - 1),

z is an integer between 0 and (2w - 1),

the sum (x + y + z) has the value 2w and

X represents chlorine or bromine.
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- 28. (previously presented) The process according to claim 24, wherein the reaction of the halogenated hydrocarbon with the hydrogen fluoride takes place in a gas phase.
- 29. (previously presented) The process according to claim 24, wherein difluoromethane is produced by reacting hydrogen fluoride and dichloromethane.
- 30. (previously presented) The process according to claim 24, wherein 1,1,1,2-tetrafluoroethane is produced by reacting hydrogen fluoride and a compound chosen from trichloroethylene or 2-chloro-1,1,1-trifluoroethane.
- 31. (previously presented) The catalyst according to claim 11, wherein content of ammonium salts is less than or equal to 0.05% by weight.

32. (previously presented) The catalyst according to claim 22, wherein content of ammonium salts is less than or equal to 0.05% by weight.

33-44 cancelled